

EX - 3H

1) Quantity of rice the farmer produced = 397 quintal
Rate at which he sold it = ₹1425
per quintal

∴ Amount he get =

$$\begin{array}{r} 397 \text{ quintal} \times ₹1425 \\ = \\ \begin{array}{r} 1425 \\ \times 397 \\ \hline 9975 \\ 12825 \times \\ 4275 \times \times \\ \hline 565725 \end{array} \end{array}$$

Ans ⇒ The farmer get ₹5,65,725.

2) Litres of oil a drum contains = 1476 l
∴ Litres of oil in 436 such drums = 1476 l × 436

$$\begin{array}{r} 1476 \\ \times 436 \\ \hline 8856 \\ 4428 \times \\ 5904 \times \times \\ \hline 643536 \end{array}$$

Ans - The drums will contain 6,43,536 litres of oil.

3) No. of passengers a train can carry = 1854

∴ No. of passengers 783 trains can carry =

$$\begin{array}{r} 1854 \\ \times 783 \\ \hline 5562 \\ 14832 \times \\ 12978 \times \times \\ \hline 1451682 \end{array}$$

Ans → 14,51,682 passengers can travel.

4) No. of words the computer operator can compose in a day = 7381

∴ No. of words he can compose in 270 months i.e. 8100 days = 8100 × 7381

$$\begin{array}{r} 8100 \\ \times 7381 \\ \hline 8100 \\ 64800 \times \\ 24300 \times \times \\ 56700 \times \times \times \\ \hline 59786100 \end{array}$$

Ans - 59,786,100 words would be composed.

5) No. of primary schools in a state = 1435

No. of students in each school = 1075

∴ Total no. of students

$$= 1435 \times 1075$$

$$\begin{array}{r} 1435 \\ \times 1075 \\ \hline 7175 \\ 10045 \times \\ 0000 \times \times \\ 1435 \times \times \times \\ \hline 1542625 \end{array}$$

Ans - There are 15,42,625 students in that state

- 6) No. of toys the factory can produce in a day = 1875
 No. of days in 4 years = 4×365 days
 = 1460 days.
 \therefore No. of toys produced in 1460 days = 1460×1875

$$\begin{array}{r} 1875 \\ \times 1460 \\ \hline 0000 \\ 112500 \\ 750000 \\ 1875000 \\ \hline 2737500 \end{array}$$

Ans - The factory would produce **27,37,500** toys.

- 7) Weight of a bag containing wheat = 4 kg 750g
 = 4750g.
 \therefore weight of 1427 such bags = 1427×4750

$$\begin{array}{r} 4750 \\ \times 1427 \\ \hline 33250 \\ 95000 \\ 190000 \\ 475000 \\ \hline 6778250 \end{array}$$

Ans - The weight is **67,78,250g** i.e. **6778kg 250g**

- 8) No. of days in a leap year = 366 days.
 Hours in 1 day = 24 hrs
 \therefore Hours in 366 days = 366×24
 = 8784 hrs.
 Minutes in 1 hour = 60 min
 \therefore Minutes in 8784 hours = 8784×60
 = 527040 min

\therefore Minutes in 366 days i.e. a leap year = 527040 min.
 Ans - There are **52,70,400** minutes in a leap year.

$$a) \text{ No. of words in 1 line} = 37 \text{ words}$$

$$\therefore \text{ No. of words in 21 lines} = 21 \times 37 = 777 \text{ words}$$

$$\therefore \text{ No. of words in each page} = 777 \text{ words}$$

$$\therefore \text{ No. of words in 226 pages} = 226 \times 777 \text{ words}$$

$$\begin{array}{r} 777 \\ \times 226 \\ \hline 4662 \\ 1554 \times \\ 1554 \times \\ \hline 175602 \end{array}$$

Ans - There are 1,75,602 words in the whole book.

$$10) \text{ Hours in 1 day} = 24 \text{ hr}$$

$$\therefore \text{ Seconds in 1 hr} = 3600 \text{ sec} (60 \times 60)$$

$$\therefore \text{ Seconds in 24 hrs} = 24 \times 3600 \text{ sec} = 86400 \text{ sec.}$$

$$\therefore \text{ Seconds in 1 day} = 86400 \text{ sec}$$

$$\therefore \text{ Seconds in 15 days} = 86400 \times 15 = 1296000$$

Ans \Rightarrow There are 1,29,60,000 seconds.

Ex - 3K

- 1) Cost of 135 shirts = ₹ 42,930
∴ cost of 1 shirt = ₹ 42,930 ÷ 135

$$\begin{array}{r} 135 \overline{) 42930} \quad (318 \\ \underline{405} \\ 243 \\ \underline{135} \\ 1080 \\ \underline{1080} \\ \hline \end{array}$$

Ans - Cost of 1 shirt is ₹ 318

- 2) Cost of 64 railway tickets = ₹ 48,704
∴ cost of 1 railway ticket = ₹ 48,704 ÷ 64

$$\begin{array}{r} 64 \overline{) 48704} \quad (761 \\ \underline{448} \\ 390 \\ \underline{384} \\ 64 \\ \underline{64} \\ \hline \end{array}$$

Ans - Cost of 1 ticket is ₹ 761.

- 3) Length of cloth produced in 49 days
(7 weeks × 7 days) = 2,75,576 m

- ∴ Length of cloth produced in 1 day = 2,75,576 ÷ 49

$$\begin{array}{r} 49 \overline{) 275576} \quad (5624 \\ \underline{245} \\ 305 \\ \underline{294} \\ 117 \\ \underline{98} \\ 196 \\ \underline{196} \\ \hline \end{array}$$

Ans - Daily production of the mill is 5,624 m. of cloth.

4) No. of books in 1 bundle = 122

Total no. of books to be made into bundles = 1,77,144

∴ No. of bundles to be made = $177144 \div 122$

$$\begin{array}{r} 122 \overline{) 177144} \quad (1452 \\ \underline{122} \\ 551 \\ \underline{488} \\ 634 \\ \underline{610} \\ 244 \\ \underline{244} \\ 00 \end{array}$$

Ans - 1452 bundles are made.

5) Cost of 150 almirahs = ₹ 128,450

∴ cost of 1 almirah = ₹ $1281450 \div 150$

$$\begin{array}{r} 150 \overline{) 1281450} \quad (8543 \\ \underline{1200} \\ 814 \\ \underline{750} \\ 645 \\ \underline{600} \\ 450 \\ \underline{450} \\ 00 \end{array}$$

Ans - Cost of 1 almirah is ₹ 8,543.

6) Minutes in 1 hour = 60 min
 ∴ minutes in 12 hrs = 12×60 min
 = 720 min

No. of words the typist types in 720 min (12 hrs) = 8064000

∴ No. of words he type in 1 minute = $8064000 \div 720$ min
 = 11,200 words.

Ans ⇒ 11,200 words would be typed in 1 minute.

$$\begin{aligned}
 7) \text{ Total amount} &= ₹ 3264000 \\
 \text{Each note is of} &= ₹ 500 \\
 \therefore \text{No. of ₹ 500 notes} &= ₹ 32,64,000 \div 500 \\
 &= 6528
 \end{aligned}$$

Ans \Rightarrow There are 6,528, 500-rupee notes.

$$\begin{aligned}
 8) \text{ Product of two numbers} &= 2945442 \\
 \text{One of the numbers} &= 562 \\
 \left. \begin{aligned}
 \text{ie, } 562 \times \underline{\quad ?? \quad} &= 2945442 \\
 \therefore \underline{\quad ?? \quad} &= 2945442 \div 562
 \end{aligned} \right\} \\
 \therefore \text{The other number} &= 2945442 \div 562 \\
 &= 5241
 \end{aligned}$$

Ans \Rightarrow The other number is 5,241

$$\begin{aligned}
 9) \text{ Amount distributed among 215 farmers} &= ₹ 500,638 \\
 \therefore \text{Share of each farmer} &= ₹ 500638 \div 215
 \end{aligned}$$

$$\begin{array}{r}
 215 \overline{) 500638} \quad (2328 \\
 \underline{430} \\
 706 \\
 \underline{645} \\
 613 \\
 \underline{430} \\
 1838 \\
 \underline{1720} \\
 118
 \end{array}$$

Ans \Rightarrow Share of each farmer is ₹ 2,328 and ₹ 118 is left.

$$10) \begin{array}{l} \text{Dividend} \\ \text{Quotient} \end{array} = \begin{array}{l} 1316352 \\ 256 \end{array}$$

$$\left(\text{i.e., } \frac{1316352}{??} = 256 \right)$$

$$\therefore \text{The divisor} = 1316352 \div 256$$

$$\begin{array}{r} 256 \overline{) 1316352} \quad (5142 \\ \underline{1280} \\ 363 \\ \underline{256} \\ 1075 \\ \underline{1024} \\ 512 \\ \underline{512} \\ 00 \end{array}$$

Ans \Rightarrow The divisor is 5,142

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